STOMER: F0398152 TCH #: 020590043

ORDER #: 0573@ STICKER #: 020590218 PORSF 11.3,18.1

NE #: 10

RCODE #: 5166158697 0005

CODUCT NAME: DEPLOY AEROSOL

MATERIAL SAFETY DATA SHEET: DEPLOY AEROSOL .

Page: 1

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DATE OF ISSUE 3/28/2001

SUPERSEDES 11/06/1998

SECTION I - GENERAL INFORMATION

mical Name & Synonyas

Trade Name & Synonyma

DEPLOY AEROSOL

unical Family: PROCARBONS

c--Other

ufacturer's Name: MSEARCH DIV. OF NCH CORP.

(152170

TX 75015

spared By:

Product Code Number

Emergency Phone Number

800-424-9300

Villiamson/Chemist

5441

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS					
	 	i	7		

mical Name (Ingredients)	Hazard	TLV	PEL	STRL	CAS #
TEXANE	FLAM/IRR	50 PPM 1	50 PPM 2	N/E	110-54-3
CLOREXANE	FLAM/IRR	300 PPM 1	300 PPM 2	N/E	110-82-7
ABTHYL PENTANE	FLAM/IRR .	N/B 1	N/B 2	N/B	107-83-5
4ETHYL PENTANE	PLAM/IRR	N/B 1	N/B 2	N/E	96-14-0
OPROPYL ALCOHOL	PLAM	400 PPM 1	400 PPM 2	500 PPM	67-63-0
DPANE	PLAM :	1000 PPM 1	1000 PPM 2	N/E	74-98-6
DBUTANE	PLAM	N/B 1	N/E 2	N/B	75-28-5

SECTION III - PHYSICAL DATA

g Point (F):	154	Specific Gravity (H20=2);	0.72
por Pressure (MM HG)'s	92.8-	_ Color:	OPF-WHITE
por Dansity (Air=1):	3.0	Odor:	HEXANE
@ 100% i	N/A	Clarity	CLOUDY
Volatile by Volume:	78	Evaporation Rate (BU A/C=1):	7.7
O Solubility:	NEGLIGIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

	- -				
ash Point	71a2	mmable Limits	LEL	UEL .	
3°F / SETAFLASH .	HEXI	ANE '	1.0%	7.0	
bilamilabiles Madila	w.				

X ... Dry Chemical

<-- Alcohol Foam

ecial Fire Fighting Procedures: REFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

4- C02

usual Fire and Explosion Hazards:

UMBLE FIFE ADD EXPLOSION HAZELDS:
PORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS WATER.FLAME EXTENSION-30 INCHES, BURNBACK 4 INCHES.

rosol Level (NFPA 30B):

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) PA 704 Hazard Rating <--Health

<--Flammability 0 <--Instability <--Special

SECTION V - HEALTH HAZARD DATA

reshold Limit Value: PPM AS N-HEXANE 1.

fects of Overexposure:

-Acute (Short Term Exposure)

IN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. EYE CONTACT: MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS. INHALATION: AT LOW IVELS OF CONCENTRATION, INITIAL SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONCENTRATION AND IRRITATION. WITH HIGH EXPOSURE LEVELS, IN MERCAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRICESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN 1:3AD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

IRONIC DATA: PROLONGED AND REPEATED INHALATION OF N-HEXAME MAY PRODUCE PERIPHERAL AND CENTRAL NERVE DAMAGE. PERIPHERAL NERVE DAMAGE MAY BE EVIDENCED! MUSCULAR MEAKNESS AND LOSS OF SENSATION IN THE ARMS AND LEGS AND DECREASED BODY MEIGHT. MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING LIVER AND IDNEY DISEASES AND PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: LIVER, LUNGS, SPLEEN, DNEY, AND CENTRAL NERVOUS SYSTEM.

SECTION V - HEALTH HAZARD DATA (Continued)

Emergency and First Aid Procedures:

-Inhalation

REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-Bye Combact:
RINSE THE BYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH APPECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE

INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE PATAL

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER -- > No

N-HEXANB

EYE-RET: 10MG MLD

ISOBUTANE

EYE-RET: 10MG MLD 3.

ORL-RAT LD50: 28710MG/KG 3.

IHL-RAT TCLG: 10000 PPM/7H(FEMALE 15D PRE):REP 3.

MIXED ISOMERS OF HEXAME (ISOPARAFFINS) HAS BEEN SHOWN TO CAUSE KIDNEY DAMAGE IN MALE RATS AND CARDIAC SENSITIZATION IN OTHER SPECIES. THE RELEVANCE OF THE KIDNEY EFFECTS TO MAN IS UNKNOWN. THERE IS NO EVIDENCE THAT EXPOSURE TO INDUSTRIALLY ACCEPTABLE LEVELS OF HYDROCARBONS HAVE PRODUCED CARDIAC EFFECTS IN HUMANS. SUCH SENSITIZATION, HOMEVER, MAY CAUSE FATAL CHANGES IN HEART RHYTHM. THIS LATTER EFFECT HAS BEEN SHOWN VOLUMEYANE

TO BE ENHANCED BY HYPOXIA OR THE

CYCLOHEXANE
SKN-RBT: 1548 MG/25-I 3.
ORL-RAT LD50: 29820 MG/KG 3.
2-METHYL PENTANE

TO BE ENHANCED BY HYPOXIA (
INJECTION OF ADRENALIN-LIKE

IHL-RAT LC50: 57PPH/15M

ORL-RAT TDLO: 10 GM/KG/4W-I 3. 3-METHYL PENTANB

NO TOXICITY DATA AVAILABLE.

NO TOXICITY DATA AVAILABLE.

ISOPROPYL ALCOHOL

ORL-RAT LD50: 5045 MG/KG 3.

IHL-RAT LC50: 16000PPM/8H 3.

SKN-RBT LD50: 12800 MG/KG 3.

PROPANE

NO TOXICITY DATA AVAILABLE.

SECTION VII - REACTIVITY DATA

X <--Stable Stability:

Conditions to Avoid:

<--Unstable

AVOID HEAT, HOT SURFACES, SPARKS AND OPEN PLAMES.

OXIDIZING AGENTS SUCH AS CHLORINE BLEACH, NITRIC AND SULFURIC ACIDS, HALOGENS, AMINES, AMMONIA, AND FINELY DIVIDED ALUMINUM.

Hazardous Decomposition Products:

OXIDES OF CARBON.

Hazardous Polymerization:

<--May Occur

X <--Will Not Occur

Conditions to Avoid:

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:
ELIMINATE ALL SOURCES OF IGNITION. DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT
MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent: NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS

Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL.

NEOPRENE RUBBER OR NITRILE GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

WEAR PROTECTIVE CLOTHING WHEN HANDLING.

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

SECTION X - STORAGE AND HANDLING INFORMATION

Outdoors -- > Indoors--> X

orage Temperature: In nimum Temperature: 35°P Maximum Temperature: 120°F Heated-->

Refrigerated-->

ecautions to be Taken in Handling and Storing:
TH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME.

SP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Emical Name

Upper & Limit

ose ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 36 and 40 CPR part 372.

mase call 1-800-527-9919 for additional information if you are a California customer. is MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1997.

OSHA PEL.

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODISC, 1998. VENDOR'S MSDS.

COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

RIBRITANT, FLAM/FLAMM.FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE RC:CARCINGGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, C:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE SEBCUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, PA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL FETY & HEALTH ADMINISTRATION, ACHGH:AMERICAN CONFERENCE OF GOVERNMENTAL DUSTRIAL HYGIRNISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE JEL, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, F:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOC: PARTICULATES NOT OTHERWISE CLASSIED

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